

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

(1-34 Cancelled).

35. (New) A photonic buoy comprising:

a lengthy hull divided into a ballast portion which resides below the water line and a top portion disposed above the water line;

a mass in the ballast portion; and

an optical bench in the top portion including:

an optical device configured to provide a panoramic view of the horizon, and

a fixed vertically oriented imager aimed at the optical device.

36. (New) The photonic buoy of claim 35 in which the optical device is a conical mirror inside the top portion of the lengthy hull surrounded by a transparent wall.

37. (New) The photonic buoy of claim 35 in which the optical device is a conical prism sealed with respect to the top of the hull.

38. (New) The photonic buoy of claim 35 in which the imager includes a CCD

camera.

39. (New) The photonic buoy of claim 35 in which the imager includes an infrared camera.

40. (New) The photonic buoy of claim 35 further including a sensor in the top portion of the hull for detecting the attitude of the buoy.

41. (New) The photonic buoy of claim 35 further including a transmission cable extending from the optical bench for transmitting video signals to a remote location.

42. (New) The photonic buoy of claim 35 in which the hull includes a self-scuttling plug therein.

43. (New) The photonic buoy of claim 35 in which the hull has a diameter compatible with a launcher of a submarine.